

Panasonic

2.4 GHz Portable Station

Operating Instructions

Model No. KX-TD7680



Thank you for purchasing the Panasonic KX-TD7680, 2.4 GHz Portable Station. Please read this manual carefully before using this product and save this manual for future use.

This manual is designed to be used with your Portable Station and a Panasonic KX-TDA series Business Telephone System.

Charge the battery for about 7 hours before initial use.


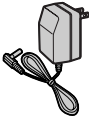


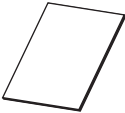
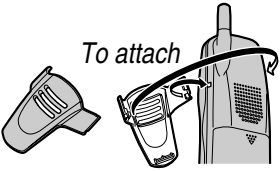
Before Initial Use

Please read “IMPORTANT SAFETY INSTRUCTIONS” on page 44 before use.
Read and understand all instructions.

◆ Registration

Your Portable Station (PS) must be registered in the Business Telephone System and assigned an extension number before initial use.

◆ Accessories (□-included/ ■-optional)

<div><input type="checkbox"/> Charger</div> <div></div> <div>One</div>	<div><input type="checkbox"/> AC adaptor (KX-TCA1)</div> <div></div> <div>One</div>	<div><input type="checkbox"/> Battery (N4HHGMB00001)</div> <div></div> <div>One</div>
<div><input type="checkbox"/> Screws and Washers</div> <div></div> <div>Two</div>	<div><input type="checkbox"/> Operating Instructions</div> <div></div> <div>One</div>	<div><input type="checkbox"/> Belt Clip</div> <div></div> <div>One</div>
<div><input checked="" type="checkbox"/> Carrying Case Option</div>		
<div><input checked="" type="checkbox"/> Headset * Option</div>		



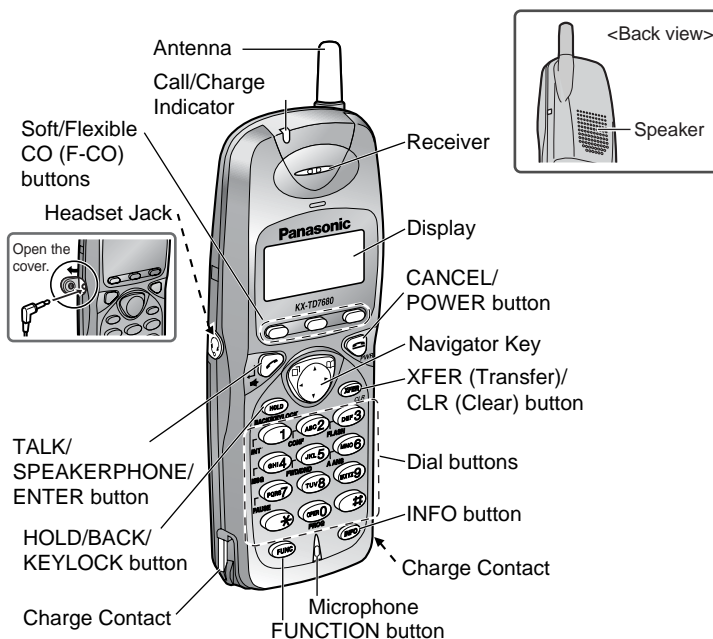
- For extra orders, call toll-free **1-800-332-5368**.
- * Please use only the Panasonic KX-TCA86/KX-TCA88/KX-TCA91/KX-TCA92 headset.

Table of Contents

Before Initial Use	2
Before Operating the PS	4
Location of Controls	4
Setting Up	5
Charging	5
Wall Mounting	5
Power On/Off	6
Signal Search (Cell Search)	6
Locking the Keypads	6
Display	7
Operation Outline	8
Key Operation	10
Flexible-CO Key Display	11
Ringer Volume Adjustment	12
Receiver Volume Adjustment	12
Making Calls	13
Calling Another Extension	13
Calling an Outside Party	13
Using the Call Log	14
Making Calls Using the Directories	15
Receiving Calls	17
Intercom Calls/Outside Calls/Group Calls	17
During a Conversation	19
Transferring a Call	19
Holding	19
Hands-free/Monitor Conversation	20
Using the Directories	21
Directories	21
Quick Dialing	21
PS Dialing Directory	23
Entering Characters	27
Other Operations	29
Programming	33
Changing the Initial Settings	33
Troubleshooting	41
Troubleshooting for Portable Station	41
Important Information	43

Before Operating the PS

◆◆ Location of Controls



TALK/SPEAKERPHONE/ENTER button:

Used to make or receive calls, for the hands-free operation, and to confirm the entered setting.



INFO button:

Used to display the flexible-CO key.



BACK/KEYLOCK

HOLD/BACK/KEYLOCK button:

Used to place a call on hold, return to the previous display, and to lock/unlock the dialing buttons.



FUNCTION button:

Used to enter the FUNCTION mode or activate a specific key with a combination of each dialing button.



XFER (Transfer)/CLR (Clear) button:

Used to transfer a call to another party, clear digits or characters.



NAVIGATOR key:

Used to adjust the ringer/receiver volume or move the cursor to select a desired item. To select an item, press the arrow repeatedly.



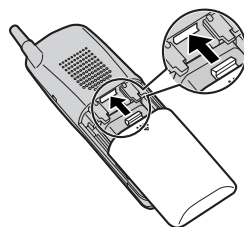
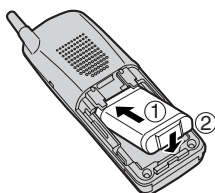
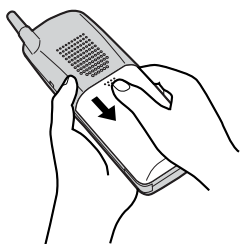
CANCEL/POWER button:

Used to end calls, exit the Directory or Function mode, turn the ringer and vibration off while receiving a call, or turn on/off the PS.

Before Operating the PS

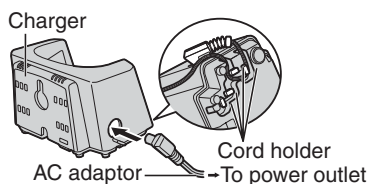
Setting Up

- 1 Open the battery cover.
- 2 Install the battery.
- 3 Close the cover.



Charging

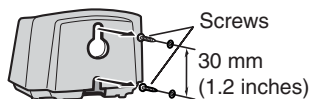
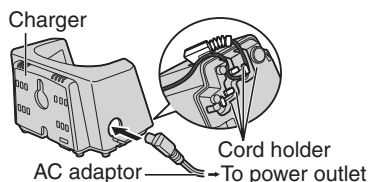
- 1 Connect the charger to a power outlet using the AC adaptor.
- 2 Charge the battery for about 7 hours.



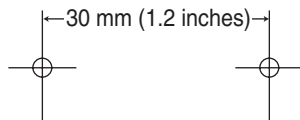
- When the battery has been completely charged, the charge indicator will change from red to green. Refer to "Battery Information" on page 43.
- It is normal for the PS and charger to get warm while the battery is charging.

Wall Mounting

- 1 Connect a AC adaptor to the charger.
- 2 Drive the included screws into the wall using the wall template below.




- 3 Mount the charger securely on the screws.



Before Operating the PS


◆◆ Power On/Off

Power On



Press **POWER** for about 2 seconds, and “KX-TD7680” will be displayed.

Power Off




Press **POWER** for about 2 seconds. The display will go blank.



- When the PS is turned on, it will be in standby mode. Standby mode is the state of the PS when it is not performing any operations and is awaiting calls.


◆◆ Signal Search (Cell Search)

You can search for the strongest cell station for your PS while it is in standby mode.



Press **FUNC**.

▶



Press ***.**


<Display>

SEARCHING

SEARCH OK

◆◆ Locking the Keypads

You can lock the dialing buttons while the PS is in idle status.



Press **HOLD** for about 2 seconds.

<Display>

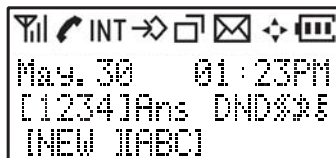
To lock

HOLD DOWN TO LOCK KEYPAD

To unlock

HOLD DOWN TO UNLOCK KEYPAD

Display



<F-CO Key Display>

The display depends on the operation. (See page 11.)

<Others>

- Ringer ON & Vibration OFF
- Ringer ON & Vibration ON
- Ringer OFF & Vibration ON
- Ringer OFF & Vibration OFF
- Meeting mode
- Call Forwarding
- Do Not Disturb
- Auto Answer mode
- Key Lock

[NEW] [ABC] <Soft Key Display>

The icons displayed above each soft button indicate what functions the soft buttons perform. Functions displayed depend on the state of use. Press the corresponding soft button to select a function.

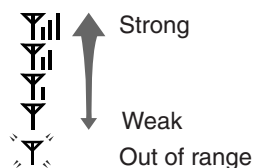
[NEW] : Used to store a new item in the PS dialing directory.

[ABC] : Displayed when in [ABC] character entry mode, shown in table 1 on page 27. Press to switch to [+ABC] mode.

[+ABC] : Displayed when in [+ABC] character entry mode, shown in table 2 on page 28. Press to switch to [ABC] mode.

[X] : Used to enter an X when storing the "TRUNK ACCESS CD". (See page 39.)

<Radio Signal Strength>



<Off-hook Status>

INT <Off-hook Status for Intercom calls>

<PS Programming Mode>

<Incoming Call Log notification>

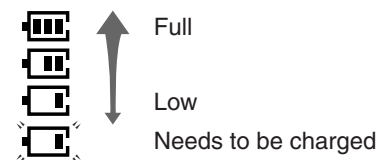
<Message Waiting>

When you receive a message while in standby mode, the PS will alert you by vibrating or ringing, depending on the current setting of the Ringer Volume.

<Navigator>

When using the navigator key, only the displayed arrows can be pressed.

<Battery Strength>

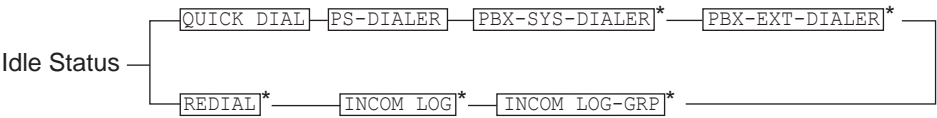


Before Operating the PS

Operation Outline

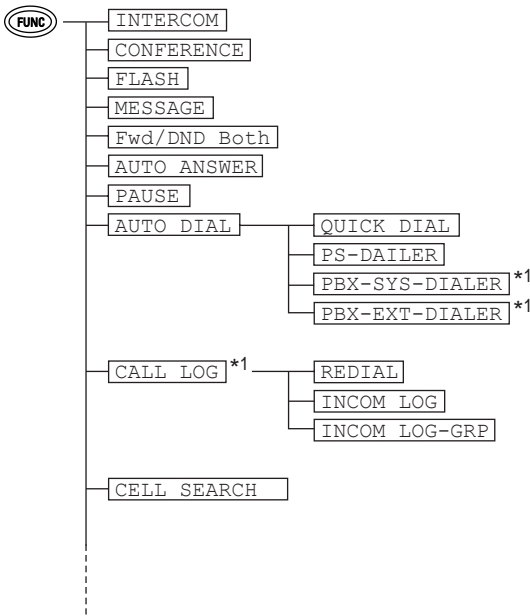
Functions of the PS are accessed through the display menu, and selected with the navigator key and ENTER button.

Navigator key operation



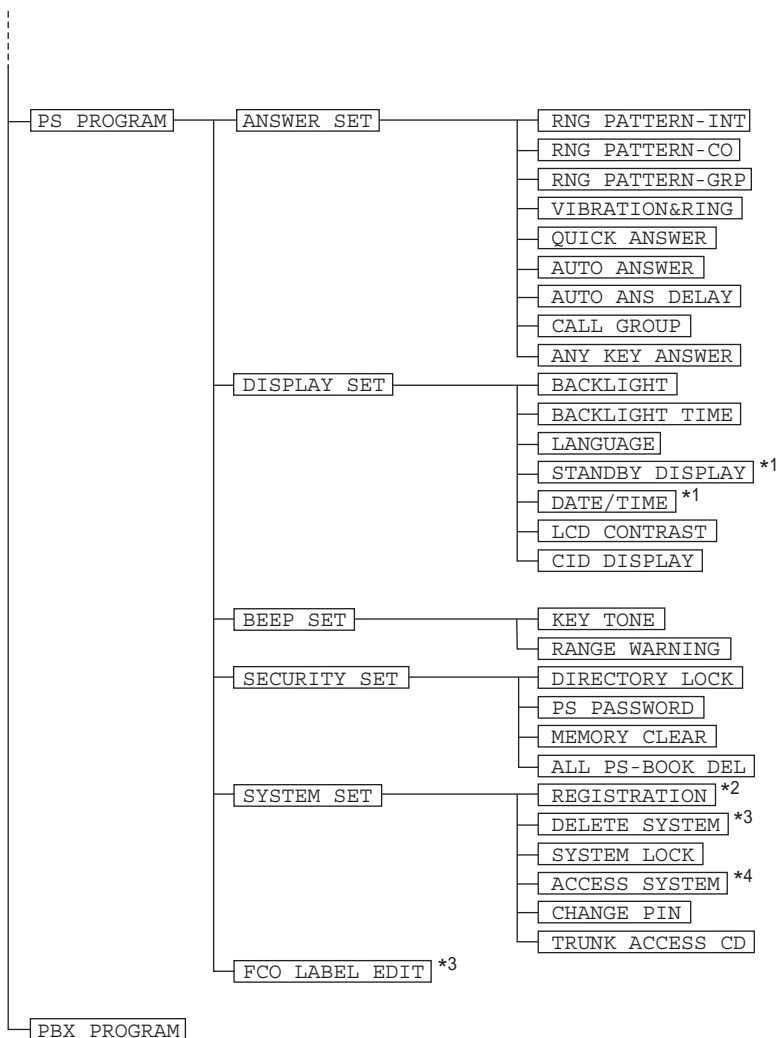
* Displayed only when “” is shown on your PS.

MENU key operation




(Continue to the next page.)

Before Operating the PS




(Refer to the KX-TDA series Business Telephone System User Manual.)



- *1 Displayed only when “” is shown on your PS.
- *2 Not displayed when your PS is registered in four Business Telephone Systems.
- *3 Displayed only when the PS is registered to at least one Business Telephone System.
- *4 Displayed only when the PS is registered to more than one Business Telephone System.



Before Operating the PS

◆◆ Key Operation

The following keys can be activated by a combination of  and a dial button (0-9, *).

Function +	Key	Description
1	INTERCOM	Used to make or receive intercom calls.
2	CONFERENCE	Used to establish a multiple-party conversation.
3	FLASH	Disconnects a current, allowing you to make another call without hanging up.
4	MESSAGE	Used to leave a message to the called party or call back the message sender.
5	Fwd/DND Both	Used to set the Call Forwarding or Do Not Disturb features.
6	AUTO ANSWER	Used to answer an incoming call automatically.
7	PAUSE	Inserts a dialing pause.
8	AUTO DIAL	Used to make a call using the Directories.
9	CALL LOG	Used to make a call using the Call Log.
0	PS PROGRAM	Used to enter the PS Programming mode.
*	CELL SEARCH	Used to search the cell station for your PS while it is in idle status.
	PBX PROGRAM*	Used to enter the PBX Programming mode.

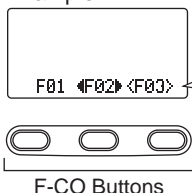


- You can also select a key by pressing , then .
- * In the PBX programming mode, you may change unused F-CO buttons to one touch buttons. For further information, refer to “Customizing the Buttons” in the KX-TDA series Business Telephone System User Manual.

◆◆ Flexible-CO Key Display

The F-CO key can be used to seize an idle outside line while making or receiving an outside call, or used as a feature button. Press the corresponding F-CO button to select the desired flexible CO key. Here you can access the 12 flexible CO keys. Icons shown in the F-CO key function similarly to the light (LED) pattern on a Proprietary Telephone. ◀ ▶ is the same as a green LED, and < > is the same as a red LED.




Example:













Understanding the F-CO Key*

◀ ▶	(On): You are currently using this line.
▶ ▶ ▶ ▶	(flashing rapidly): You have an incoming call on this line.
▶ ▶ ▶ ▶	(flashing slowly): You have a call on hold on this line.
< >	(On): This line is in use by someone else.
▶ < > ▶	(flashing rapidly): There is an incoming call received by an incoming call distribution group to which "Ring" is set as the group call distribution method.
▶ < > ▶	(flashing slowly): Someone has a call on hold on this line.
(no icon)	(no icon): This line is idle.












- * The icons will be shown only during a conversation or when you press  while in standby mode. The meaning of these icons vary depending on the status of the CO line.
- If no buttons are pressed for 5 seconds after pressing  while in standby mode, the icons disappear.
- For further information, refer to "LED Indication" in the KX-TDA series Business Telephone System Feature Guide.
- Only three F-CO keys can be displayed at once, press  repeatedly to change the F-CO key display (F01-F12).
- The F-CO label can be changed. (See page 40.)

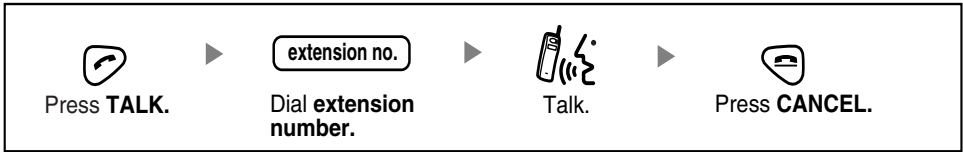
Ringer Volume Adjustment

Button	Ringer Volume	Display	Icon
 	High	RINGER 	
	Medium	RINGER 	
	Low	RINGER 	
	Gradually louder • Low→Medium→High	RINGER STEP UP	
	Gradually quieter • High→Medium→Low	RINGER STEP DOWN	
	Vibration only	VIBRATION ON RINGER OFF	
	• Vibration only • Key tone off • Microphone volume high	MEETING MODE	
 	Key tone only	VIBRATION OFF RINGER OFF	

- ## Receiver Volume Adjustment

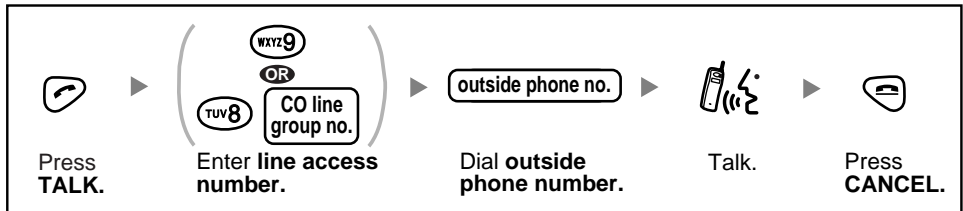
Button	Receiver Volume	Display	
		Talk	Hands-free/Monitor
	Extra High	RECEIVER 	SP - PHONE 
	High	RECEIVER 	SP - PHONE 
	Medium	RECEIVER 	SP - PHONE 
	Low	RECEIVER 	SP - PHONE 

◆◆ Calling Another Extension

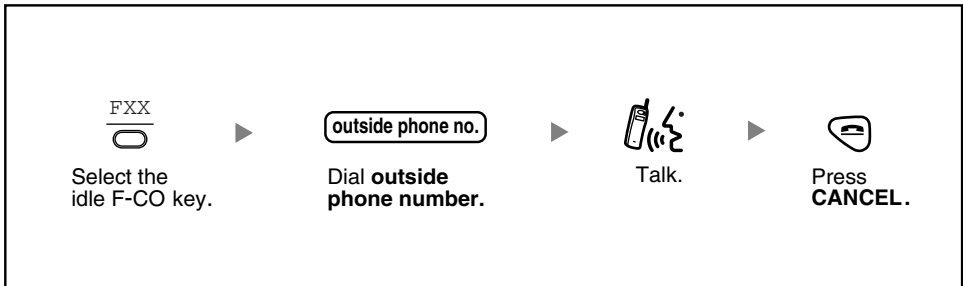








◆◆ Calling an Outside Party

◆ Using the line access numbers



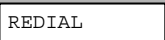

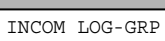
◆ Using Flexible CO keys



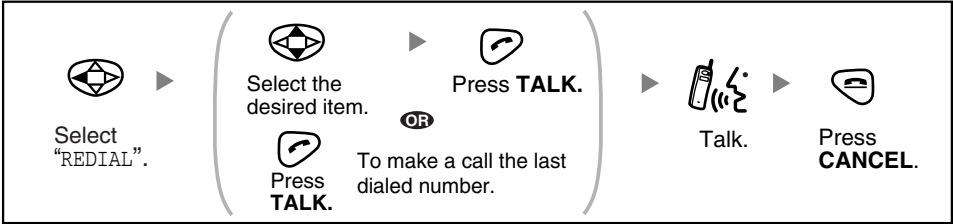
- You can confirm a number before calling (**Predialing**) by entering the number, then pressing .
- If you misdial while predialing, press  to highlight the wrong digit and press , then enter the correct digit.
- To clear an entire number while predialing, press and hold .
- If “” flashes, move closer to the Cell Station and try dialing again.
- To cancel dialing, press .

Making Calls

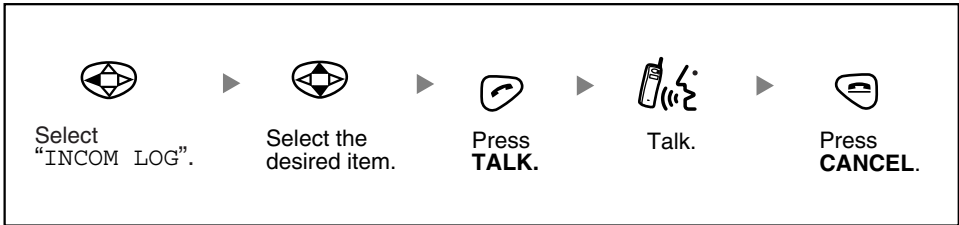
◆◆ Using the Call Log

Feature	Display	Description
Outgoing Call Log		You can make a call using the phone numbers you have dialed.
Incoming Call Log		You can make a call using the outside phone numbers you have received.
Incoming Call Log Group		You can make a call using the phone numbers that incoming call distribution groups have received.

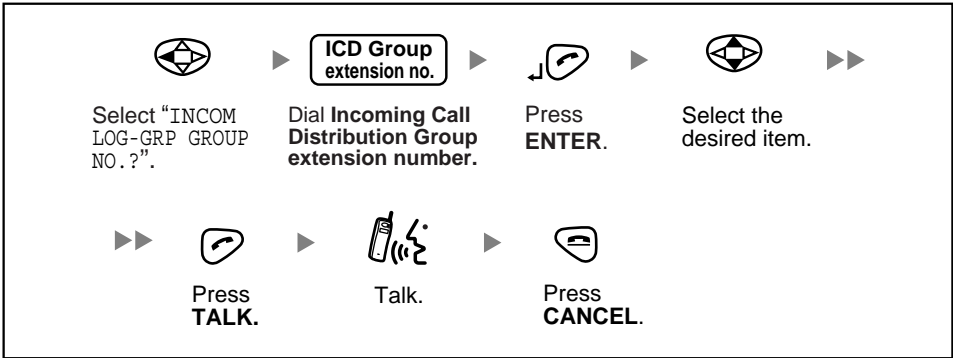
◆ Using the outgoing call log



◆ Using the incoming call log



◆ Using the incoming call log group



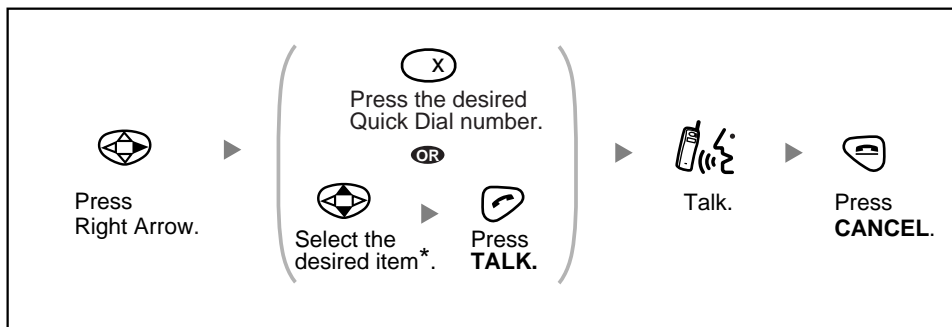
- An outside number stored with a name in the PS dialing directory will be displayed by number and name in the call log.

◆◆ Making Calls Using the Directories

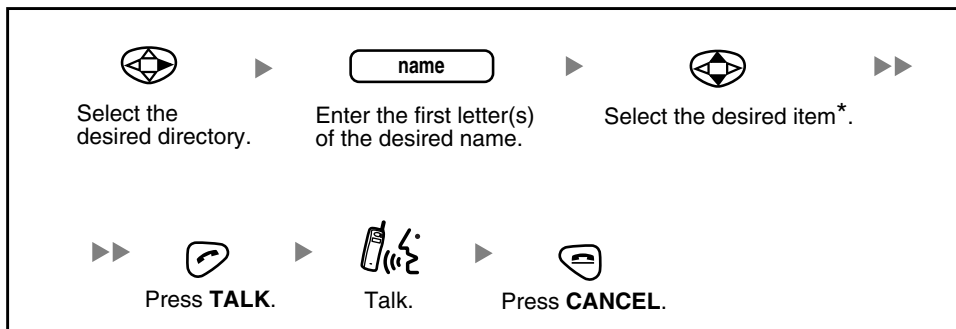
Feature	Display	Description
Quick Dialing	<div><Example> 1: Tony 1234</div>	You can make a call simply by pressing the preprogrammed number for quick dialing.
PS Dialing Directory	<div>PS-DIALER</div>	You can make a call using the numbers stored in the PS Dialing Directory.
System Speed Dialing Directory	<div>PBX-SYS-DIALER</div>	You can make a call using the numbers stored in the Business Telephone System.
Extension Number Directory	<div>PBX-EXT-DIALER</div>	You can make a call using the extension names stored in the Business Telephone System.

Making Calls

◆ Quick Dialing



◆ PS Dialing Directory/System Speed Dialing Directory/Extension Number Directory



- * You can search for the desired item quickly by pressing and holding (Quick Search: used for Quick Dialing and PS Dialing Directory).
- To enter characters, see pages 27 and 28.
- You can also store names and phone numbers for Quick Dialing. (See page 21.)

◆◆ Intercom Calls/Outside Calls/Group Calls

While receiving a call

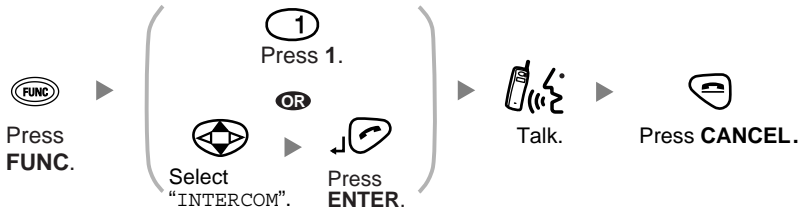
Intercom Calls/Outside Calls/Group Calls

To answer a call when the PS is ringing



Intercom Calls

To answer a call on a specific line



Outside Calls

To answer a call on a specific line



- You can also answer a call as follows:

- Any Key Answer** (See page 36.)

- Auto Answer** (See page 34.)

- Quick Answer** (See page 34.)

- When you receive an outside call, the caller's information is recorded automatically in the incoming call log even when the PS is off-hook, out of range, or when the nearest Cell Station is busy.

Receiving Calls

Incoming Call Notification


- You can select a different Ringer and Vibration pattern for each type of incoming call:

Incoming Call Status	LED Indication	Ringer Pattern	Vibration Pattern
Intercom call	flashing green	6 ringer tones, 4 melodies (See page 34.)	3 patterns (See page 34.)
Outside line call	flashing red		
Group call*	flashing orange		

* Group calls are calls received by a PS extension which is assigned to a:

- PS ring group
- Incoming Call Distribution Group in which “Ring” is set as the group call distribution method

Caller ID Display

- If an incoming call contains Caller ID information (the caller’s name and number), the caller can be displayed on the PS in one of the two following ways.
 - If the caller’s information is stored in the Business Telephone System, that information can be displayed.
 - If the caller’s information is stored in the PS, that information can be displayed.
- If information is stored in both the system and in the PS for the same caller, you can choose which information will be displayed on the PS. The default setting displays caller information stored in the system. (See page 38.) When receiving a call, you can toggle between the two settings by pressing .
- To display caller information, a line access number must be stored. (See “TRUNK ACCESS CD” on page 39.)
- To display caller information stored in the PS directory, an outside line number must be stored with the caller’s phone number, and the phone number must only contain digits (0-9).

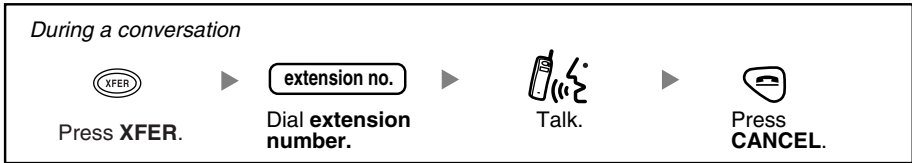
Incoming Call Identification

- Items stored in the PS dialing directory can be organized into one of 10 groups. A call from someone stored in one of these groups will be indicated by the pattern of ringer, LED and vibration for the group. (See page 35.)

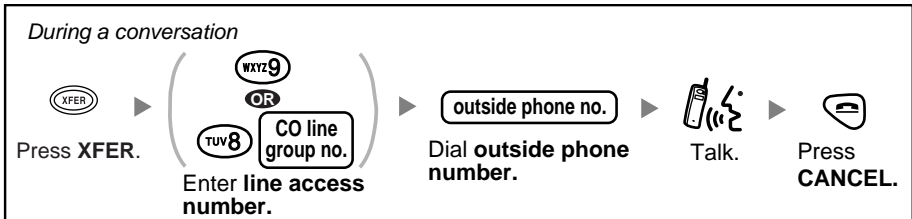
Item	Setting
RING PATTERN	6 ringer tones, 4 melodies (See page 35.)
LED PATTERN	9 patterns (See page 35.)
VIB PATTERN	5 patterns (See page 35.)

◆◆ Transferring a Call

◆ Transferring to an extension



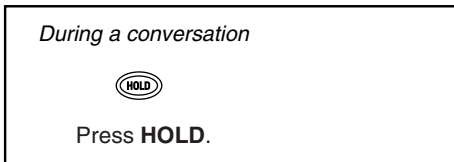
◆ Transferring to an outside party



- To return to the call before the destination answers, press or select the "INTERCOM" key/the corresponding CO key.

◆◆ Holding

◆ To hold (Regular Hold)



◆ To hold (Exclusive Call Hold)

You can hold a call exclusively so that other people cannot retrieve the call.




- The operation depends on the Call Hold mode (Regular Hold/Exclusive Call Hold). Ask your manager what the current mode is.
- When you hold several outside line calls, assign the CO buttons (S-CO/G-CO/L-CO/GDN) as necessary, beforehand.

During a Conversation


◆ To retrieve a call


Intercom Calls


Press
FUNC.

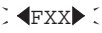

①
Press 1.

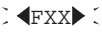
OR


Select
"INTERCOM".


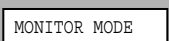

Press
ENTER.


Outside Calls

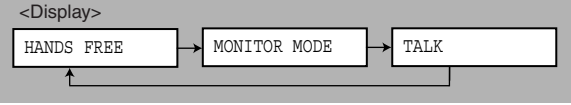
Press the CO key
( - Flashing).

◆◆ Hands-free/Monitor Conversation


Feature	Display	Description
Hands-free*		You can talk with the calling party alternately through the speaker without holding the PS.
Monitor		You can listen to the calling party's voice through the speaker without holding the PS. Your voice will not be heard.


Press **TALK** repeatedly to select the desired mode (Hands-free/Monitor/Talk).

<Display>





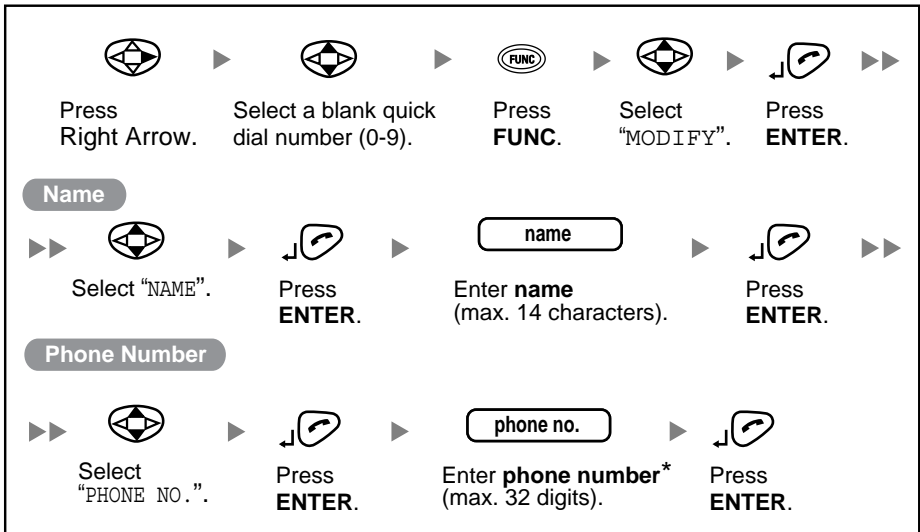
- * For best performance in hands-free mode, please note the followings:
 - Talk alternately with the other party in a quiet room.
 - If you or the other party has hearing difficulty, press  to decrease the speaker volume.
- The receiver volume level can be adjusted separately. (See page 12.)
- If you connect a headset while in hands-free/monitor conversation, the mode will be canceled automatically.
- If you put the PS on the charger during a conversation, the call will be disconnected, except when having a hands-free or monitor call.

◆◆ Directories

Feature	Display	Description
Quick Dialing	<div><Example></div> <div>1: Tony 1234</div>	You can store names and phone numbers, as well as system feature names and numbers for easy access. (Max. 10 items.)
PS Dialing Directory	<div>PS-DIALER</div>	You can store up to 100 names, phone numbers and group numbers in the PS. If you store an outside party's number, you should first store a line access number. All directory items are stored in alphabetical order.

◆◆ Quick Dialing

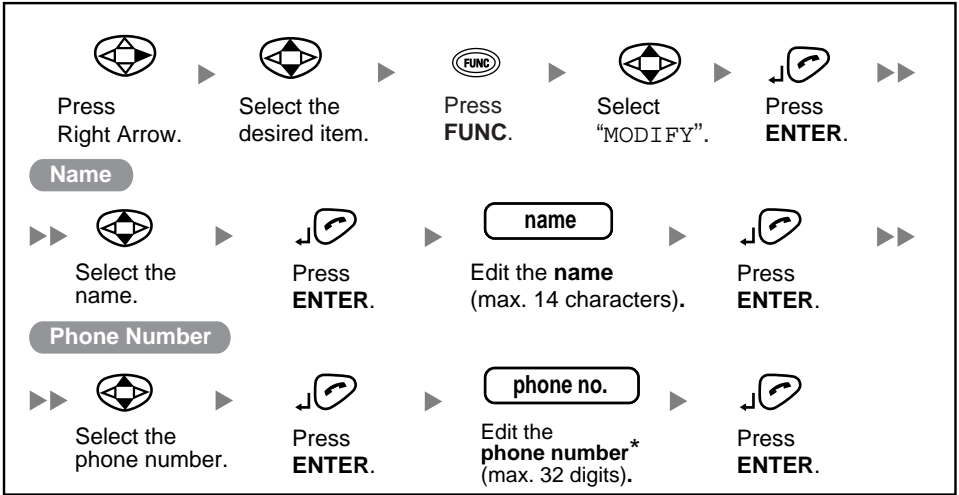
◆ Storing



- To enter characters, refer to page 27 and 28.
- * The valid digits are "0" through "9", "*", "#", PAUSE and "X" (INTERCOM). The "X" can be entered numbers you want when dialing.

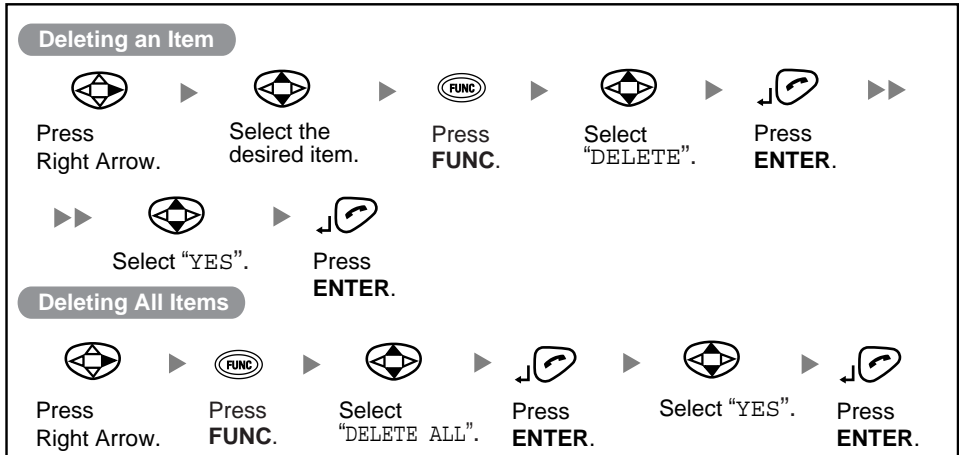
Using the Directories

◆ Editing



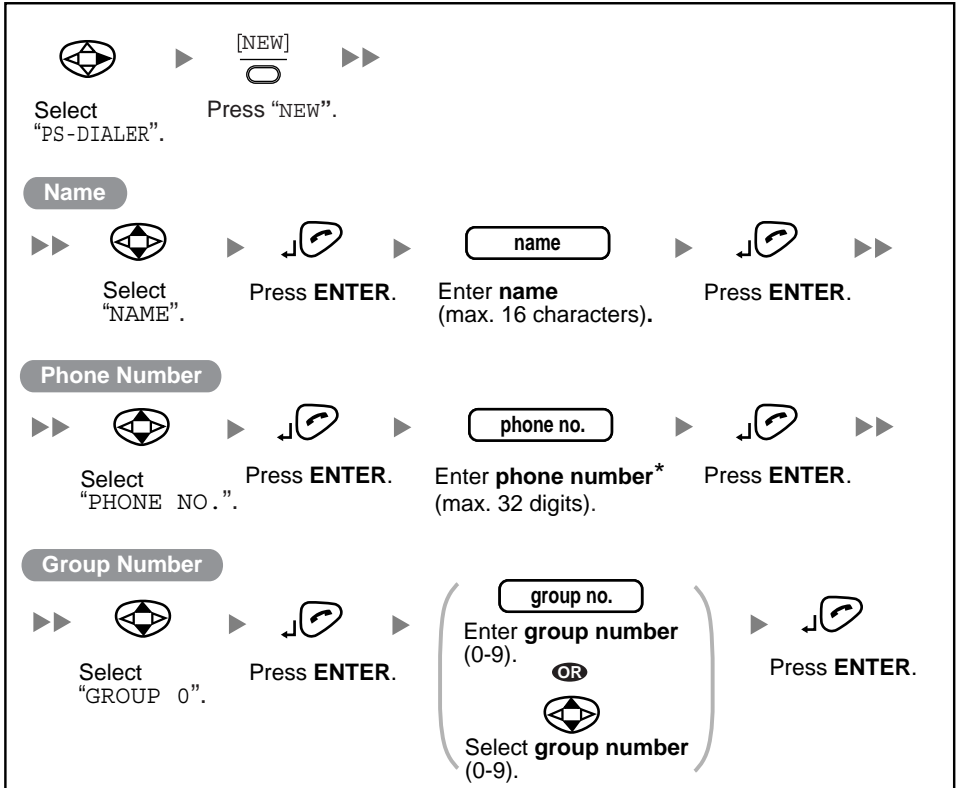
- To enter characters, refer to pages 27 and 28.
- * The valid digits are "0" through "9", "*", "#", PAUSE and "X" (INTERCOM). The "X" can be entered numbers you want when dialing.
- To change a character or digit, press to highlight it, press to delete it, then enter the new character or digit.
- To clear an entire line, press and hold .
- To move the cursor to the left or right, press or , respectively.

◆ Deleting



◆◆ PS Dialing Directory

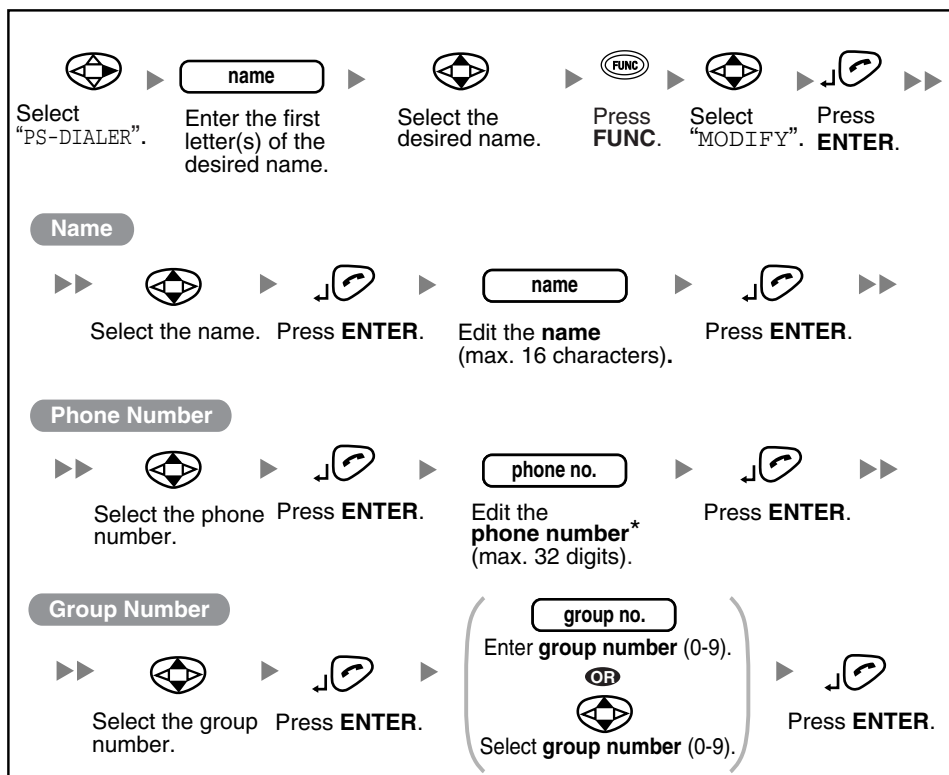
◆ Storing



- To enter characters, refer to pages 27 and 28.
- * The valid digits are "0" through "9", "*", "#", PAUSE.
- If you store an outside phone number, you should first store a line access number in front of the phone number.

Using the Directories

◆ Editing



- To enter characters, refer to pages 27 and 28.
- * The valid digits are "0" through "9", "*", "#", PAUSE.
- To change a character or digit, press to highlight it, press to delete it, then enter the new character or digit.
- To clear an entire line, press and hold .
- To move the cursor to the left or right, press or , respectively.